

ABSTRACT

An improved apparatus and system for a re-configurable optical channel dropping de-multiplexer is herein disclosed. A re-configurable channel dropping de-multiplexer in accordance with the present invention comprises an input, a first polarizing port optically coupled to the input, a first polarization modulator optically coupled to the first polarizing port, a polarization beam splitter (PBS) having a first side that is optically coupled to the first polarization modulator at a side opposite to the first polarizing port, a second polarization modulator optically coupled to the PBS at a second side of the PBS that is opposite to the first side, a second polarizing port optically coupled to the second polarization modulator at a side opposite to the PBS and a multiple-channel output optically coupled to the second polarizing port.